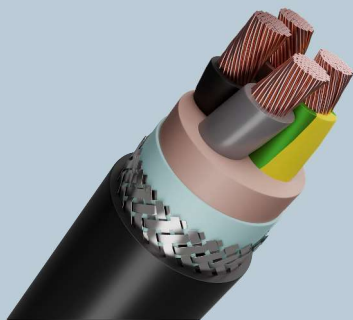


PROPERTIES



Nominal Voltage:	450/750V
Max. permissible Operating Voltage:	AC: 0.476/0.825 kV DC: 0,619/1,238 kV
AC Test Voltage (Main Cores):	2.5 kV (15 Min.)
Max. Submersing Depth:	500 meters
Temperature Rating:	Fixed : -40°C to +90°C Free : -25°C
Max. Water Temperature:	40°C
Min. Bending Radius:	Fixed : 4 X ODmax. Free : 6 x ODmax.

APPLICATIONS

This cable, designed for waste-water environments with medium mechanical stress, meets EMC requirements for frequency converter-controlled AC drives. It requires good ground contact at both ends and is suitable for depths up to 10 meters in sewage water tanks. Versatile in various water types, it can operate in aggressive environments with resistance properties checked. Suitable for indoor/outdoor use, in hazardous areas, and as rotor circuit cables for motors, it complies with DIN VDE 0298-300 specifications.

CONSTRUCTION

- Up to 5 cores: coloured in accordance with DIN VDE 0293-308
- From 6 cores: black with white numerals

CORE IDENTIFICATION

Conductor :	Copper, finely stranded, class 5 in accordance with DIN VDE 0295 / IEC 60228; tinned up to and including 6mm ² .
Insulation :	Vulcanized rubber compound insulation and inner sheath, basis EPR, compound EI7 in accordance with DIN EN 50363 (VDE 0207)
Inner Sheath :	Vulcanized rubber compound, basis EPR, compound EM6 in accordance with DIN EN 50363. Light in colour
Screen :	Braid of tinned copper wires
Outer Sheath :	Vulcanised rubber compound, basis CPE, compound EM7 in accordance with DIN EN 50363
Sheath Colour :	Black

STANDARDS

- Flame propagation : DIN EN 60332-1-2
- Resistance to oil : DIN EN 60811-404
- Water resistance : DIN EN 50525-2-21
- Based on EN 50525-2-21

PACKAGING

Sold in full drums or cut to specification



Flame Resistant



Oil Resistant



Water Resistant

Cores No.	Cross Section	Approx. Conductor Diam.	Outer Diameter		Bending Radius		Cable Weight Net 1000m	Current Carrying Capacity at 30oC	Permissible Short Circuit Current (1s)	Permissible Pulling force
			Min	Max	Fixed Install (Min)	Free Moving (Min)				Max
(N°)	(mm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)	(A)	(kA)	(N)
FOUR CORES										
4x	1.5	1.5	12.8	14.4	58	72	266	23	0.21	90
4x	2.5	1.9	15.2	17.2	69	86	388	30	0.36	150
4x	4	2.4	17.0	19.0	76	95	516	41	0.57	240
4x	6	2.9	18.9	20.9	84	105	630	53	0.86	360
4x	10	3.9	23.1	25.1	100	126	972	74	1.43	600
4x	16	5.7	26.6	29.6	118	148	1447	99	2.29	960
4x	25	6.8	31.8	34.8	139	174	2015	131	3.25	1500
4x	35	8.0	35.3	38.3	153	192	2539	162	5.01	2100
4x	50	9.4	40.5	43.5	174	218	3458	202	7.15	3000
4x	70	11.1	45.2	48.2	193	241	4586	250	10.01	4200
4x	95	12.1	50.0	54.0	216	270	5350	301	13.59	5700

Cores No.	Cross Section	Approx. Conductor Diam.	Outer Diameter		Bending Radius		Cable Weight Net 1000m	Current Carrying Capacity at 30oC	Permissible Short Circuit Current (1s)	Permissible Pulling force
			Min	Max	Fixed Install (Min)	Free Moving (Min)				Max
(N°)	(mm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)	(A)	(kA)	(N)
MULTI-CORES										
7x	1.5	1.5	15.9	17.9	72	90	401	15	0.21	158
7x	2.5	1.9	18.8	20.8	83	104	580	19.5	0.36	263
8x	1.5	1.5	17.2	19.2	77	96	475	13.8	0.21	180
10x	2.5	1.9	24.0	26.0	104	130	854	16.5	0.36	375
12x	1.5	1.5	19.4	21.4	86	107	596	12	0.21	270
12x	2.5	1.9	22.4	24.4	98	122	809	15.6	0.36	450